



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Serial No.:** 10/707,571  
**Application of:** Zhang, et al.  
**Confirmation No. :** 1570  
**Filed:** December 22, 2003  
**Group Art Unit:** 2873  
**Examiner:** Spector, David N.

**Attorney Docket No.:** H-362  
**Customer No.:** 26245

Cambridge, Massachusetts  
April 8, 2005

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

Sir:

The applicant is filing this Information Disclosure Statement to make of record U.S. and foreign patents and applications, and non-patent references. The references it is desired to make of record are listed on the accompanying Forms.

All of the references filed herewith are in the English language so that, pursuant to 37 CFR 1.98(a)(3), no statement of the relevance of each reference is required.

The Examiner is respectfully asked to note that, for the convenience of both the Examiner and the undersigned attorney, certain prior art documents mentioned in the application have been replaced by their US equivalents or other convenient equivalents, as follows:

<u>Document not supplied</u>	<u>Alternative supplied</u>
US2002/0019081	US6825068
US2002/0021270	US6816147
US2002/0053900	US6512354
US2002/0063677	US6518949
US2002/0075556	US6788449
US2002/0106847	US6683333
US2002/0131147	US6866760
US2002/0145792	US6538801
US2002/0171910	US6870661
US2002/0180688	US6,864,875
US2003/0011868	US6753999
US2003/0025855	US6831769
US2003/0034949	US6842167
US2003/0038755	US6819471
US2003/0053189	US6825970
US2003/0076573	US6704133
US2003/0096113	US6721083
US2003/0137717	US6839158
US2003/0214697	US6865010
WO 00/38001	US6724519
WO 01/08241	US6842657
WO 02/01281	US6672921
WO 99/67678	EP1145072B1

*Zhang, et al.*

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In accordance with 37 CFR 1.98(a)(2) no copies of the listed U.S. patents and applications are being filed. Only copies of the foreign and non-patent references B1-B13 and C1-C16 are being filed herewith.

Respectfully submitted

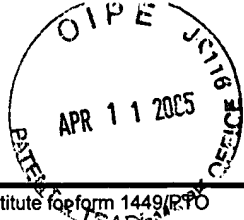


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Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Using as many sheets as necessary)

Sheet: 1 of: 7

### Complete if Known

Application Number	10/707,571
Filing Date	12/22/2003
First Named Inventor	Zhang
Art Unit	2873
Examiner Name	Spector, David H.
Attorney Docket No.	H-362

### U.S. Patent Documents

Examiner Initials*	Cite No. *1	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Locations Where Relevant Passages or Figures Appear
	A1	20030222315	12/04/2003	Amundson et al.	
	A2	20030214695	11/20/2003	Abramson et al.	
	A3	20030151702	08/14/2003	Morrison et al.	
	A4	20030137521	07/24/2003	Zehner et al.	
	A5	20030132908	07/17/2003	Herb et al.	
	A6	20030102858	06/05/2003	Jacobson et al.	
	A7	20030020844	01/30/2003	Albert et al.	
	A8	20030011560	01/16/2003	Albert et al.	
	A9	20020180687	12/05/2002	Webber	
	A10	20020130832	09/19/2002	Baucom et al.	
	A11	20020113770	08/22/2002	Jacobson et al.	
	A12	20020090980	07/11/2002	Wilcox et al.	
	A13	20020063661	05/30/2002	Comiskey et al.	
	A14	20020060321	05/23/2002	Kazlas et al.	
	A15	20010055000	11/29/2001	Hayashi et al.	
	A16	6870661	03/22/2005	Pullen et al.	
	A17	6866760	03/15/2005	Paolini, Jr. et al.	
	A18	6865010	03/08/2005	Duthaler et al.	
	A19	6864875	03/08/2005	Drzaic et al.	
	A20	6842657	01/11/2005	Drzaic et al.	
	A21	6842167	01/11/2005	Albert et al.	
	A22	6839158	01/04/2005	Albert et al.	
	A23	6831769	12/14/2004	Holman et al.	
	A24	6825970	11/30/2004	Goenaga et al.	
	A25	6825068	11/30/2004	Denis et al.	
	A26	6819471	11/16/2004	Amundson et al.	
	A27	6816147	11/09/2004	Albert	
	A28	6788449	09/07/2004	Liang et al.	
	A29	6753999	06/22/2004	Zehner et al.	
	A30	6724519	04/20/2004	Comiskey et al.	

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14.

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Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Using as many sheets as necessary)		Application Number	10/707,571
		Filing Date	12/22/2003
		First Named Inventor	Zhang
		Art Unit	2873
		Examiner Name	Spector, David H.
Sheet: 2 of 7	Attorney Docket No.	H-362	

U.S. Patent Documents					
Examiner Initials*	Cite No. *1	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Locations Where Relevant Passages or Figures Appear
	A31	6721083	04/13/2004	Jacobson et al.	
	A32	6704133	03/09/2004	Gates et al.	
	A33	6683333	01/27/2004	Kazlas et al.	
	A34	6672921	01/06/2004	Liang et al.	
	A35	6664944	12/16/2003	Albert et al.	
	A36	6657772	12/02/2003	Loxley	
	A37	6652075	11/25/2003	Jacobson	
	A38	6639578	10/28/2003	Comiskey et al.	
	A39	6580545	06/17/2003	Morrison et al.	
	A40	6545291	04/08/2003	Amundson et al.	
	A41	6538801	03/25/2003	Jacobson et al.	
	A42	6535197	03/18/2003	Comiskey et al.	
	A43	6531997	03/11/2003	Gates et al.	
	A44	6521489	02/18/2003	Duthaler et al.	
	A45	6518949	02/11/2003	Drzaic	
	A46	6515790	02/04/2003	Miyamoto et al.	
	A47	6515649	02/04/2003	Albert et al.	
	A48	6512354	01/28/2003	Jacobson et al.	
	A49	6506438	01/14/2003	Duthaler et al.	
	A50	6504524	01/07/2003	Gates et al.	
	A51	6498674	12/24/2002	Sheridon	
	A52	6498114	12/24/2002	Amundson et al.	
	A53	6480182	11/12/2002	Turner et al.	
	A54	6473072	10/29/2002	Comiskey et al.	
	A55	6459418	10/01/2002	Comiskey et al.	
	A56	6445489	09/03/2002	Jacobson et al.	
	A57	6445374	09/03/2002	Albert et al.	
	A58	6422687	07/23/2002	Jacobson	
	A59	6413790	07/02/2002	Duthaler et al.	
	A60	6392786	05/21/2002	Albert	

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Sheet: 3 of 7	Attorney Docket No.	H-362	

U.S. Patent Documents					
Examiner Initials*	Cite No. *1	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Locations Where Relevant Passages or Figures Appear
	A61	6392785	05/21/2002	Albert et al.	
	A62	6377387	04/23/2002	Duthaler et al.	
	A63	6376828	04/23/2002	Comiskey	
	A64	6337761	01/08/2002	Rogers et al.	
	A65	6327072	12/04/2001	Comiskey et al.	
	A66	6323989	11/27/2001	Jacobson et al.	
	A67	6312971	11/06/2001	Amundson et al.	
	A68	6312304	11/06/2001	Duthaler et al.	
	A69	6301038	10/09/2001	Fitzmaurice et al.	
	A70	6300932	10/09/2001	Albert	
	A71	6271823	08/07/2001	Gordon , II et al.	
	A72	6262833	07/17/2001	Loxley et al.	
	A73	6262706	07/17/2001	Albert et al.	
	A74	6252564	06/26/2001	Albert et al.	
	A75	6249271	06/19/2001	Albert et al.	
	A76	6241921	06/05/2001	Jacobson et al.	
	A77	6232950	05/15/2001	Albert et al.	
	A78	6225971	05/01/2001	Gordon , II et al.	
	A79	6184856	02/06/2001	Gordon , II et al.	
	A80	6177921	01/23/2001	Comiskey et al.	
	A81	6172798	01/09/2001	Albert et al.	
	A82	6153075	11/28/2000	Nemelka	
	A83	6147791	11/14/2000	Sheridon	
	A84	6144361	11/07/2000	Gordon , II et al.	
	A85	6137467	10/24/2000	Sheridon et al.	
	A86	6130774	10/10/2000	Albert et al.	
	A87	6130773	10/10/2000	Jacobson et al.	
	A88	6128124	10/03/2000	Silverman	
	A89	6124851	09/26/2000	Jacobson	
	A90	6120839	09/19/2000	Comiskey et al.	

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Sheet: 4 of 7	Attorney Docket No.	H-362	

U.S. Patent Documents					
Examiner Initials*	Cite No. *1	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Locations Where Relevant Passages or Figures Appear
	A91	6120588	09/19/2000	Jacobson	
	A92	6118426	09/12/2000	Albert et al.	
	A93	6097531	08/01/2000	Sheridon	
	A94	6067185	05/23/2000	Albert et al.	
	A95	6055091	04/25/2000	Sheridon et al.	
	A96	6054071	04/25/2000	Mikkelsen, Jr.	
	A97	6017584	01/25/2000	Albert et al.	
	A98	5999307	12/07/1999	Whitehead et al.	
	A99	5961804	10/05/1999	Jacobson et al.	
	A100	5930026	07/27/1999	Jacobson et al.	
	A101	5872552	02/16/1999	Gordon , II et al.	
	A102	5808783	09/15/1998	Crowley	
	A103	5777782	07/07/1998	Sheridon	
	A104	5760761	06/02/1998	Sheridon	
	A105	5745094	04/28/1998	Gordon , II et al.	
	A106	5223115	06/29/1993	DiSanto et al.	
	A107	4640583	02/03/1987	Hoshikawa et al.	
	A108	4418346	11/29/1983	Batchelder	
	A109	4414679	11/8/83	Liebert et al.	
	A110	3912365	10/75	Lowell	
	A111	3892568	07/01/1975	Ota	
	A112	3870517	03/11/1975	Ota et al.	
	A113	3792308	02/12/1974	Ota	
	A114	3767392	10/23/1973	Ota	
	A115	3756693	09/14/1973	Ota	
	A116	3668106	06/06/1972	Ota	

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		Art Unit	2873
		Examiner Name	Spector, David H.
		Attorney Docket No.	H-362
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Foreign Patent Documents						
Examiner Initials*	Cite No. *1	Document Number Country Code - Number - Kind Code (if known)	Publication Date	Name of Patentee or Applicant of Cited Document	Locations Where Relevant Passages or Figures Appear	T <sup>2</sup>
	B1	EP 1 145 072B1	05/07/2003	E Ink Corporation		
	B2	EP 1 089 118A2	04/04/2001	Lucent		
	B3	EP 0 659 866A2	06/28/1995	Matsushita		
	B4	JP 2000-352728	12/19/2000	Canon		
	B5	JP 09-211499A	08/15/1997	Toshiba		
	B6	JP 01-142537A	06/05/1989	Nippon Mektron		
	B7	PCT WO 01/27690	04/19/2001	University College Dublin		
	B8	PCT WO 01/07961	02/01/2001	E Ink Corporation		
	B9	PCT WO 00/67327	11/09/2000	E Ink Corporation		
	B10	PCT WO 00/67110	11/09/2000	E Ink Corporation		
	B11	PCT WO 00/38000	06/29/2000	E Ink Corporation		
	B12	PCT WO 00/36560	06/22/2000	E Ink Corporation		
	B13	PCT WO 00/05704	02/03/2000	E Ink Corporation		

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Sheet: 6 of: 7	Attorney Docket No.	H-362	

NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. *1	Document Citation	T <sup>2</sup>
	C1	Amundson, K., et al., "Flexible, Active-Matrix Display Constructed Using a Microencapsulated Electrophoretic Material and an Organic-Semiconductor-Based Backplane", SID 01 Digest, 160 (June 2001)	
	C2	Bach, U., et al., "Nanomaterials-Based Electrochromics for Paper-Quality Displays", Adv. Mater, 14(11), 845 (2002)	
	C3	Chen, Y., et al., "A Conformable Electronic Ink Display using a Foil-Based a-Si TFT Array", SID 01 Digest, 157 (June 2001)	
	C4	Comiskey, B., et al., "An electrophoretic ink for all-printed reflective electronic displays", Nature, 394, 253 (1998)	
	C5	Comiskey, B., et al., "Electrophoretic Ink: A Printable Display Material", SID 97 Digest (1997), page 75	
	C6	Drzaic, P., et al., "A Printed and Rollable Bistable Electronic Display", SID 98 Digest (1998), page 1131	
	C7	Duthaler, G., et al., "Active-Matrix Color Displays Using Electrophoretic Ink and Color Filters", SID 02 Digest, 1374 (2002)	
	C8	Jacobson, J., et al., "The last book", IBM Systems J., 36, 457 (1997)	
	C9	Jo, G-R, et al., "Toner Display Based on Particle Movements", Chem. Mater, 14, 664 (2002)	
	C10	Kazlas, P., et al., "12.1" SVGA Microencapsulated Electrophoretic Active Matrix Display for Information Appliances", SID 01 Digest, 152 (June 2001)	

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NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. *1	Document Citation	T <sup>2</sup>
	C11	Kitamura, T., et al., "Electrical toner movement for electronic paper-like display", Asia Display/IDW '01, page 1517, Paper HCS1-1 (2001)	
	C12	O'Regan, B. et al., "A Low Cost, High-efficiency Solar Cell Based on Dye-sensitized colloidal TiO2 Films", Nature, Volume 353, October 24, 1991, 773-740	
	C13	Pitt, M.G., et al., "Power Consumption of Microencapsulated Electrophoretic Displays for Smart Handheld Applications", SID 02 Digest, 1378 (2002)	
	C14	Webber, R., "Image Stability in Active-Matrix Microencapsulated Electrophoretic Displays", SID 02 Digest, 126 (2002)	
	C15	Wood, D., "An Electrochromic Renaissance?" Information Display, 18(3), 24 (March 2002)	
	C16	Yamaguchi, Y., et al., "Toner display using insulative particles charged triboelectrically", Asia Display/IDW '01, page 1729, Paper AMD4-4 (2001)	

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